RHIC JOBS COMPLETION/REPAIRS SCHEDULE

BOOSTER/AGS/HEBT JOBS INCLUDED FOR NEXT SHUTDOWN

SCHEDULED SHUTDOWN – WEDS. DEC. 17, 2003, 0700-1500HRS

RESULTS – WEDS. DEC. 17, 2003, 1800HRS.

R. Zaharatos –Wednesday, December 17, 2003 1830hrs

JOBS STATUS CODE: **C** complete **IP** in-process **RS** reschedule
CAN cancelled ***** additions

RHIC JOBS

Collider P.S – R. Zapasek

IP 1. External p.s. work on spares as required.
C 2. Yellow Abort Kickers – investigate misfiring. **Installed new thyratron.**

Vacuum Group – S. Gill

C 1. Sumplimate yo1-pw3.1 to 3.3, yo5-pwk9.1 & 9.2, bi1-pw3.1 to 3.3, bo2-pw3.1 to 3.3, bi8-pw3.1 to 3.3
C 2. Install water separator in air line in sector 9
C 3. Continue with setting up for future bakeout in Bi8
C 4. Download 12:00 PLC code with revised -pc1/-sv1/-svx logic
C/RS 5. Sect. 9 - Reset gauge controller yo9-tmp-pi10 and reopen Cryo Iso Valve
C 6. Sect. 7 - Check all-metal r-a valve for yi7-cc-pc12 (reads 2e-7 Torr).
C 7. Some TMP stations that should be checked……list to follow
C 8. PPAs to be removed for filament replacement….list to follow
C 9. Troubleshoot problem with yi6-ip-pw3.3 cable or p.s..

RF Group – N. Laloudakis

C 1. Sect. 4 QEI P.S.'s installation – not needed for turn-on. One weeks work to complete(access required). NOTE: not required for intitial turn-on=IP/RS
IP/RS 2. Landau Cavity completion.

Beam Components and Instrumentation – D. Lehn

Sect. 1 & 2(8hrs):
C 1. Gap cleaning.(2hrs.)
a) Install grounds on both Pulser Racks
b) Install disconnected cable tags on spares
c) Test interlock chassis for functionality
d) Commission system

Sect. 7 & 8

1. Collimators(8hrs)

C a) Support Survey group as necessary

C b) Work on binding problem in Sector 8

RS c) Test and run as necessary

C d) Install new Motion P.S. Mods. for Horizontal Axis

RS e) Setup & Test new controls for API Drivers

C 2. Pin Diode array(1hr) – verify cabling connections and label all disconnected cables

Stoicastic Cooling(8hrs):

C a) Replace bad Linear Pot on Pickup Tank Sector 11

RS b) Complete Commissioning on Pickup Tank – Sector 11

C c) Checkout of Kicker Tank wiring - Sector 4

RS d) Begin commissioning of Kicker Tank -Sector 4

C e) Wire up TC Cables on Kicker Tank - Sector 4

RS AC Dipole sect. 4(2hrs) – support breaker swap outs for amplifier racks

RS Pin Diodes – Move electron Detector Pin Diode cables from 12 IR to 12 Warm Bore by new dipole

RS Hodoscopes – Make list of cable work needed due to JET Polarimeter Installation

C BLM – Install and test jumper cable to repair G10-LM5 high offsets(sect. 10)

RS BLM – Bad cable for G12-BLM7

CRYO(Warkentien/Masi)

All Sectors

IP/RS 1. Fine tune thermistor flows through-out the ring in order to minimize the formation of ice balls(will require several maint. days)

RS 2. Install new air line from tunnel to 1005 compressor room.(PE Plumbers)

High Frequency Instrumentation – B. Sikora

C 1. Run final 12 BPM cables(Sect. 1C) Awaits cable delivery.

RS 2. Sect. 1 & 2 moveable BPM Schottky Cavity and Two Meter Kickers – access for fine tuning required after beam start-up.

RS 3. QMM(Quad Monitor) – will also require access for tuning

Access Controls(Meany)

C 1. Repair crash actuator in Sect. 11

IP/RS 2. Landau Cavity interlocks certification.

Tunnel Maintenance

1. Water intrusion at 12 o'clk cryo feed through ceiling penetration
2. Water intrusion in Sect. 12 IR above Jet Target location

FES Division – A. Pendzick

IP/RS STAR – TPC – repair short(min. 9hrs.)

C PHENIX - Experimenter access

RS **Air-conditioning** – check units in alcoves 11A and 11C. **Need to be recharged.**

Electricians(Nehring)

C 1. Replace emergency lights in Sect. 8

Survey(F. Karl)

C 1. Move six collimators in warm to cold regions at sectors 7 & 8 one centimeter closer to the beam.(8hrs.)

ATR LINE

C 1. Heat run with possible back-flushing of all magnets in W, X, and Y.

AGS(external)

RS 1. H10 Ejector – engineering study of P.S. operation(2hrs.)
IP/RS 2. E10 Hse. UPS – Move alternate feed to same substation as normal feed.(Nehring)
C 3. Testing of Cyberex UPS(Magoulis -3hrs). Switchover to external by-pass expected to be transparent – Feeds all the AGS ring gates, AGS crash, PASS system A & B, PASS BAF, SIEMENS equip iterlocks, SEB and AGS chipmunks, prime and redundant SEB and FEB sec, U,V,W,X,Y PLC power.
C 4. Check-out DNA problems with AGS ion pump power supplies.(Vacu. Grp.)
C 5. Siemens – change AC Voltmeter in MD #1 System 2(0-2300VAC)
Open MD #8 and inspect module cubicle OV-TP setting.(Bannon)

AGS RING

C/RS 1. Clean-up North Conjunction Area. **Bring in spare vacuum chambers and sextupoles.**
RS 2. Safety Related Work Requests – List for electricians.
C 3. E20 Warm Snake – measurements for installation

BOOSTER EXTERNAL

C 1. Check F6 Septum P.S. contactor(Pulsed Power Grp.)

C 2. Investigate A1 Bump P.S..(Pulsed Pwr.)
IP/RS 3. BPM's – continue cable terminations(Beam Comp. – requires Main Mag. Loto)
C 4. Access Controls – burnish relay contacts on portions of the interlock string.
RS 5. Tunemeter – install cables for new mux setup
C 6. Replace F3 disconnect switch(electricians)
C 7. Main Mag. P.S. controls - make modification to current brd. In PS-1A for PPM(switch in a cap for running NSRL beams with long flat-top currents) – (Bannon/4hrs.)

BOOSTER RING

C 1. Check operation of F3 vacuum valve(Vac. Grp.) – **Repaired broken indicator wire.**
IP/RS 2. BPM's.(Bm. Comp.) – Connect cables(ring end) at E1-E4, E7 and redress cables at E8,**(E6, E7 not done)**. External - phase match cables for A3/B1/C3/C5, repair shorts on C3 & D7 filter assemblies, and install air filter assemblies.(Bm. Comp Grp.) **To be scheduled – repair A3 open and C3 short.**
C 3. Check BXT10 ion gauge connections(Vacu. Grp.)

OTHER MACHINES ACCESS

C Linac HEBT/LTB – PE Fire Alarm Electricians. Reconfigure detection zones and correct ground fault.

C HITL/HEBT - Check ion pump junction box at ttb90

C NSRL Stub Tunnel – Test fire detectors(PE Fire Alarms Elect.)